



# RESEARCH FUNDING OPPORTUNITIES

Dr Julie Simpson



**In the service  
of Scotland**

# CSO R&D SUPPORT



**CHIEF  
SCIENTIST  
OFFICE**

## 3 KEY AREAS

Part of Scottish Government's Health & Social Care Directorates

Remit to support applied health research in Scotland

# INFRASTRUCTURE

- ▶ NHS R&D
- ▶ Research Networks
- ▶ Biorepositories
- ▶ Data Safe Havens
- ▶ CRF's
- ▶ Etc.

# DIRECT FUNDING

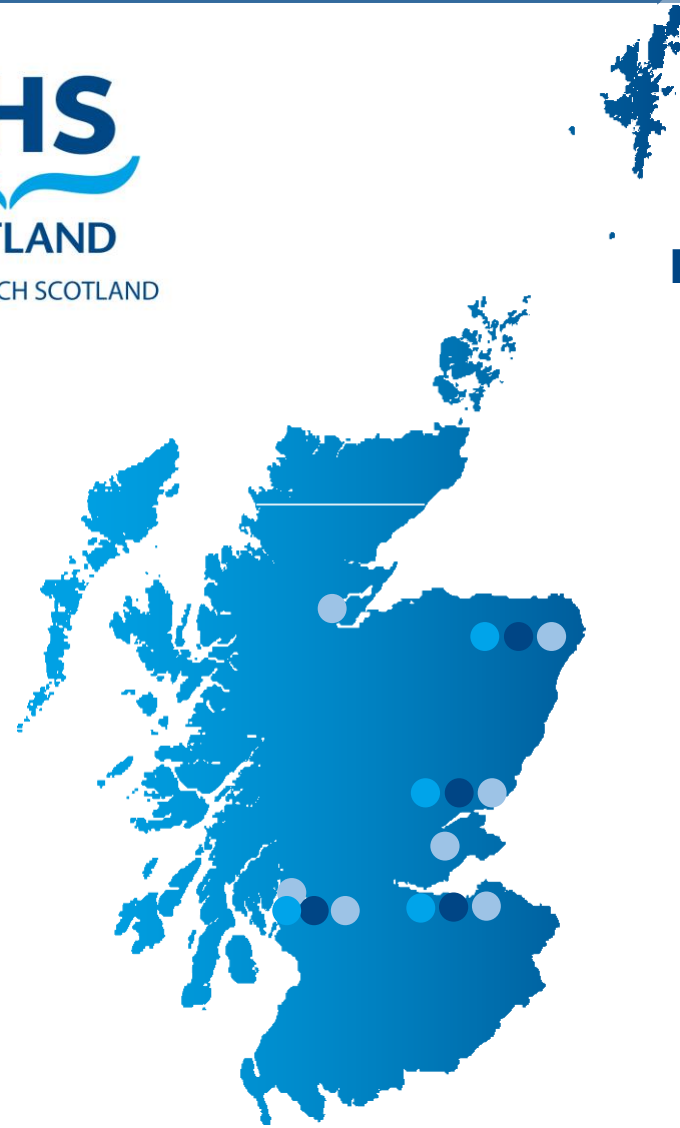
- ▶ 2 Response Mode Committees
- ▶ Fellowship Schemes

# BUY IN

- ▶ Financial Contribution to NIHR Programmes
- ▶ Supporting Scottish Access to NIHR Research Programmes

**NATIONAL INFRASTRUCTURE**

- ▶ NHS Research Scotland (NRS)
- ▶ Permissions Coordinating Centre
- ▶ Networks and Speciality Groups



**REGIONAL INFRASTRUCTURE**

- Clinical Research Facilities
- Biorepositories
- Data Safe Havens



EAR, NOSE & THROAT

AGEING

CANCER

GENETICS

MUSCULOSKELETAL HEALTH

CARDIOVASCULAR

DIABETES

OPHTHALMOLOGY

RESPIRATORY

HEPATOLOGY

CRITICAL CARE

HAEMATOLOGY

DERMATOLOGY

STROKE

GASTROENTEROLOGY



NEUROPROGRESSIVE & DEMENTIA

NHS RESEARCH SCOTLAND

REGENERATIVE MEDICINE

INFECTIOUS DISEASES

RENAL

METABOLIC & ENDOCRINE

PAEDIATRICS

ORAL AND DENTAL

MENTAL HEALTH

TRAUMA & EMERGENCIES

REPRODUCTIVE HEALTH & CHILDBIRTH

PAIN

PRIMARY CARE

## CSO RESPONSE MODE RESEARCH FUNDING COMMITTEES

### TRANSLATIONAL CLINICAL STUDIES (TCS)

Improving treatments and / or diagnostics approaches for conditions of clinical importance to the population of Scotland, including rare diseases

### HEALTH IMPROVEMENT, PROTECTION & SERVICES (HIPS)

Improving or protecting population health or improving the quality, safety and/or effectiveness of healthcare in Scotland

#### CRITERIA

- ▶ Funding limit: 350k (80% FEC)
- ▶ Up to 3 years duration
- ▶ Lead applicant must be based in Scottish HEI or Health Board

#### APPLICATION PROCESS

- ▶ 2 Funding rounds per year
- ▶ Two stage process
- ▶ Expert and lay review process

#### Application deadlines:

- ▶ January
- ▶ June

## CSO RESPONSE MODE RESEARCH FUNDING COMMITTEES

### TRANSLATIONAL CLINICAL STUDIES (TCS)

Improving treatments and / or diagnostics approaches for conditions of clinical importance to the population of Scotland, including rare diseases

### HEALTH IMPROVEMENT, PROTECTION & SERVICES (HIPS)

Improving or protecting population health or improving the quality, safety and/or effectiveness of healthcare in Scotland

#### EXAMPLES:

- ▶ Sono Speech: ultrasound visual biofeedback for children with cleft palate
- ▶ A window in the brain 2: quantitative seizure detection for paediatric critical care
- ▶ Fast Field Cycling MRI in stroke
- ▶ Precision medicine for oesophageal carcinoma

Success rate: **24 %**

**73** Funded projects  
**£19.5 m** committed funding  
**10** different lead institutions



## CSO RESPONSE MODE RESEARCH FUNDING COMMITTEES

### TRANSLATIONAL CLINICAL STUDIES (TCS)

Improving treatments and / or diagnostics approaches for conditions of clinical importance to the population of Scotland, including rare diseases

### HEALTH IMPROVEMENT, PROTECTION & SERVICES (HIPS)

Improving or protecting population health or improving the quality, safety and/or effectiveness of healthcare in Scotland

#### EXAMPLES:

- ▶ Trial of smoking cessation incentive for pregnant women
- ▶ Studies of the impact of Minimum Unit Pricing of alcohol in Scotland
- ▶ Implementation study of HIV Pre-Exposure Prophylaxis in Scotland
- ▶ Assessing the feasibility of lung cancer screening in Scotland

Success rate: **20 %**  
**86** Funded projects  
**£21 m** committed funding  
**13** different lead institutions

## Considerations for Grant Applications

- Well written / scientifically sound applications not addressing an issue of demonstrable clinical or public health significance or without clear path to impact **very unlikely to be funded** – evidence importance and potential for impact of the research proposed
- Patient & Public Involvement (including service) in concept, design, conduct and dissemination very important
- Don't squeeze a larger research proposal into the £350k limit - CSO contributes to allow access to NIHR programmes
- Explain and justify your methodological approach and decisions
- Put together strong team of relevant Co-Is and justify their contributions
- Applications need to be accessible to non-experts - densely written applications with lots of jargon and assumed knowledge hard to review

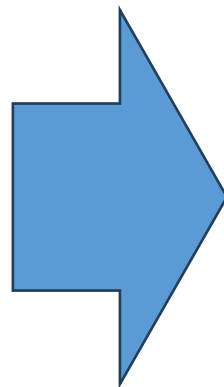
## CSO FELLOWSHIP SCHEMES

**Pre - Doctoral**

**Doctoral**

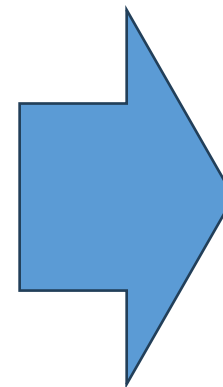
**Post - Doctoral**

CSO NHS Researcher  
Development  
Fellowship



CSO Clinical  
Academic Fellowship

CSO  
Innovation Academic  
Fellowship



NES/CSO Postdoctoral  
Clinical Lectureship

CSO Early Postdoctoral  
Fellowship

NRS Career Researcher  
Fellowship

## CSO Clinical Academic Fellowship

**Advertised**

In July

**Deadline**

In October

### Who

Medics/Dentists in Specialty Training / GP's / GDP's  
NMAHPS / HCS / Pharmacists / Others in Clinical Role

### Purpose

Opportunity to do a PhD

### Funding

3 years' Salary, PhD fees, up to £30k consumables, £3k additional training costs. (100% Direct costs) Opportunity to apply for conference funding

### Assessment

Applications are Peer, Panel and Lay reviewed. The discussed at a shortlisting meeting. Top candidates invited to interview

## CSO Early Postdoctoral Fellowship

**Advertised** In November

**Deadline**

In March

### Who

Clinical and Non-Clinical – must have completed a PhD and have less than 2 years post-Doc research experience

### Purpose

Allow researchers to begin to develop independence

### Funding

3 years' Salary, up to £30k consumables. (80% FEC) Opportunity to apply for conference funding

### Assessment

Applications are Peer, Panel and Lay reviewed. The discussed at a shortlisting meeting. Top candidates invited to interview

## Clinical Academic Fellowship Projects

Exploring Burden of Treatment, Workload-Capacity Imbalance and Workload Trajectories in Patients With Kidney Failure Requiring Replacement Therapy.

Multimorbidity and Adverse Outcomes in Pregnancy – Scotland (MAP-S study)

Non-Invasive Evaluation of Fractional Flow Reserve in Peripheral Arterial Diseases

Increasing Retention In Midwifery: Exploring Factors That Influence The Decision To Leave Clinical Practice

Regulation of lung inflammation and infection by neutrophil subsets in bronchiectasis.

Understanding how parents of children under 5 respond to childhood illness and use unscheduled care services as a single system within NHS Scotland.

## Early Postdoctoral Fellowship Projects

HEalth And Dementia outcomes following Traumatic Brain Injury (HEAD-TBI).

Defining how cilia loss alters the inflammasome in polycystic liver disease.

Establishing the therapeutic potential of inhibiting IKK $\beta$  in colorectal cancers.

Using digital phenotyping to explore the association between environment and pregnancy health: a novel Scottish Digital Birth Cohort.

Development, Acceptability, feasibility and preliminary outcome signals for a coproduced intervention targeting fear of relapse in people with schizophrenia

The impact of Genetic Complexity on Drug:Target Engagement in Colorectal Cancer

Applying Novel Computational Approaches and Machine Learning to Advance Therapeutic Discovery in ALS/MND

Epilepsy, Precision Investigation, Stratified Care, and Outcomes of Therapy (EPI-SCOT)

## What makes a Good application?

### Person

- Commitment to research
- Previous papers
- Experience
- Potential to become a leader in the field

### Project

- Relevance to the Scottish NHS
- Evidence that the candidate has been involved in the writing and design of the project
- PPI used in the development of the project
- Evidence of potential patient benefit
- Appropriate methodology

### Place

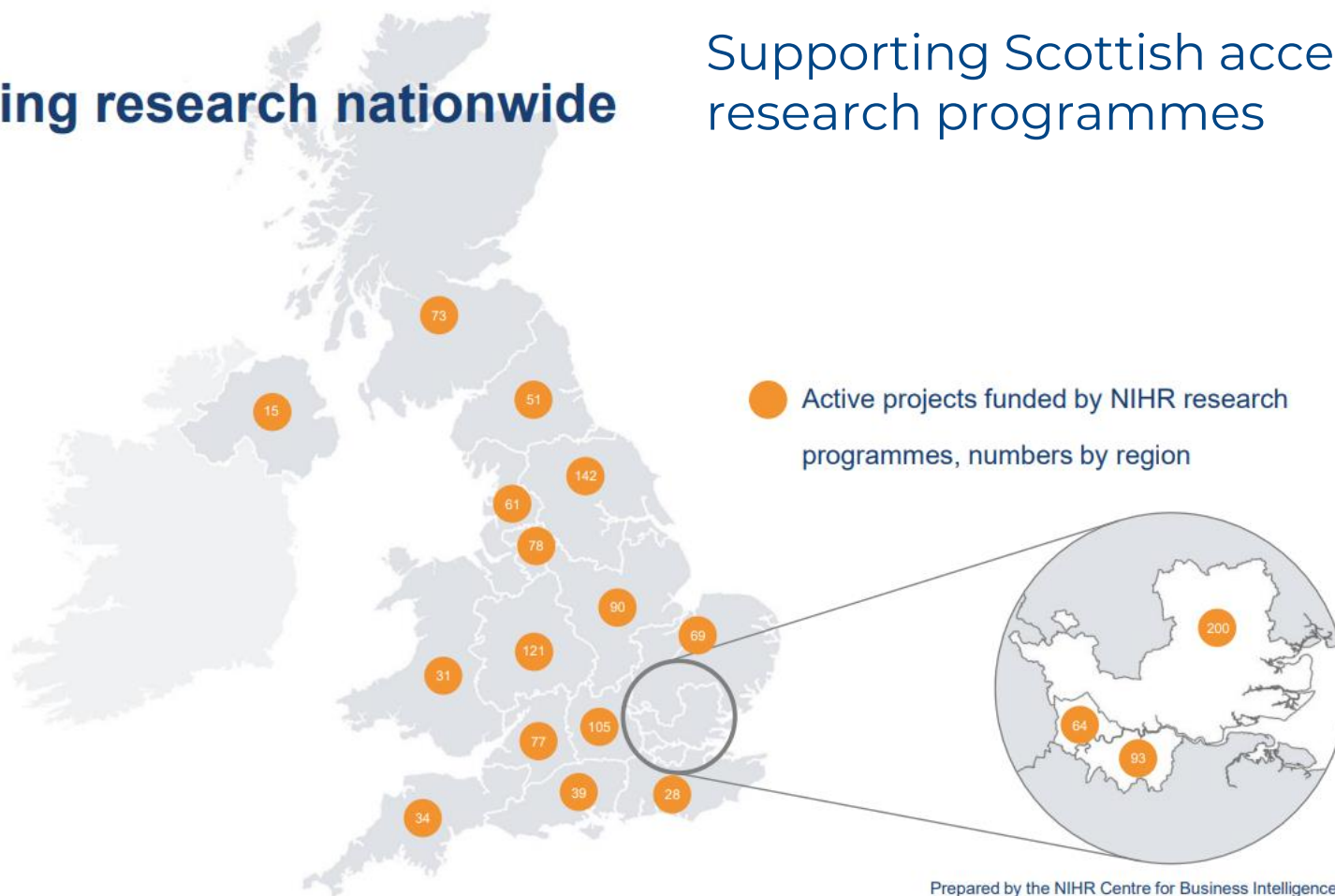
- Suitable supervision arrangements
- Supportive environment
- Relevant training included



# FINANCIAL CONTRIBUTION TO NIHR PROGRAMMES

## Funding research nationwide

Supporting Scottish access to NIHR administered research programmes



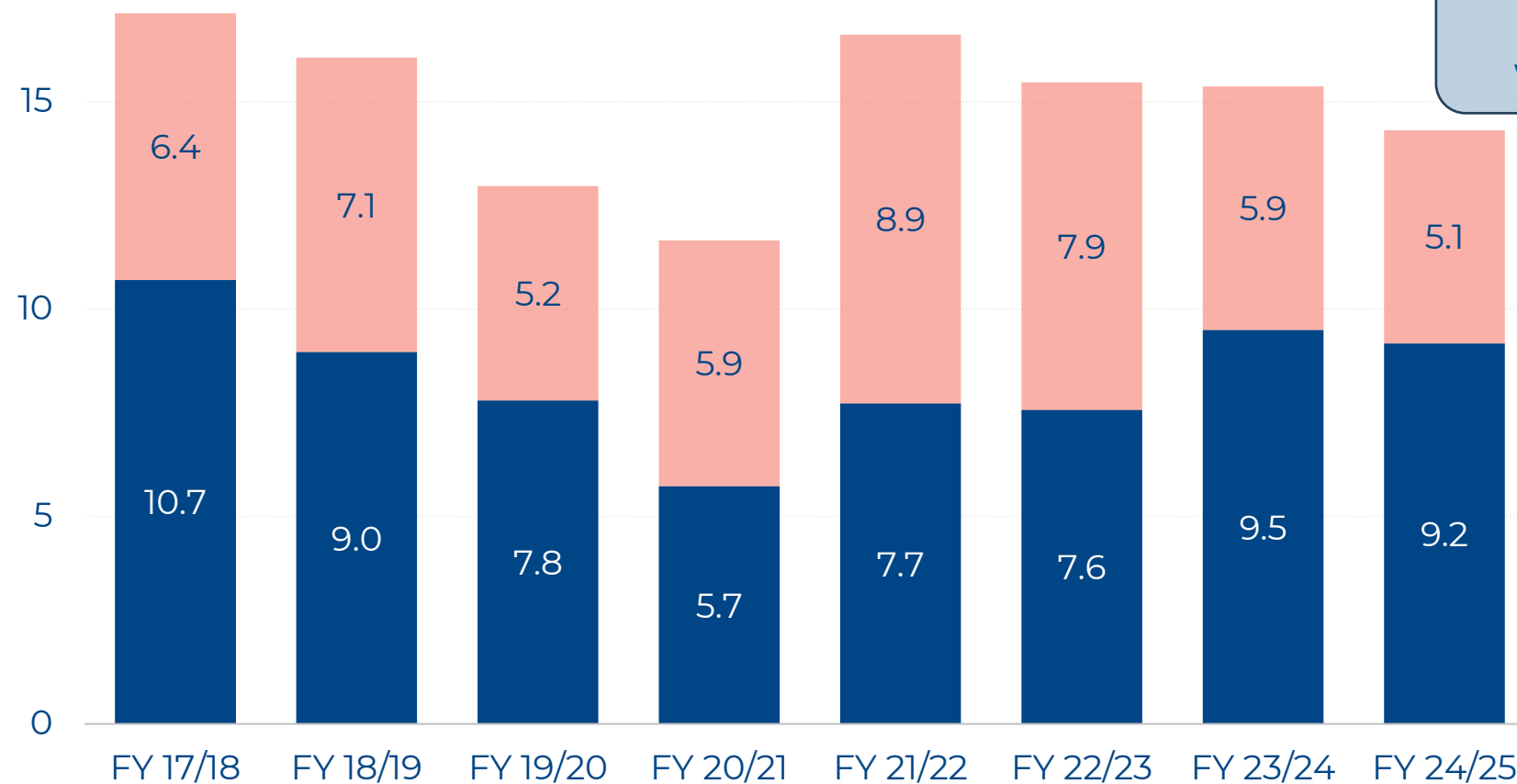
Prepared by the NIHR Centre for Business Intelligence

# Funding Accruing to Scotland each Financial Year (million £)

Latest Update 22/23

● Researcher Led ● Commissioned

20

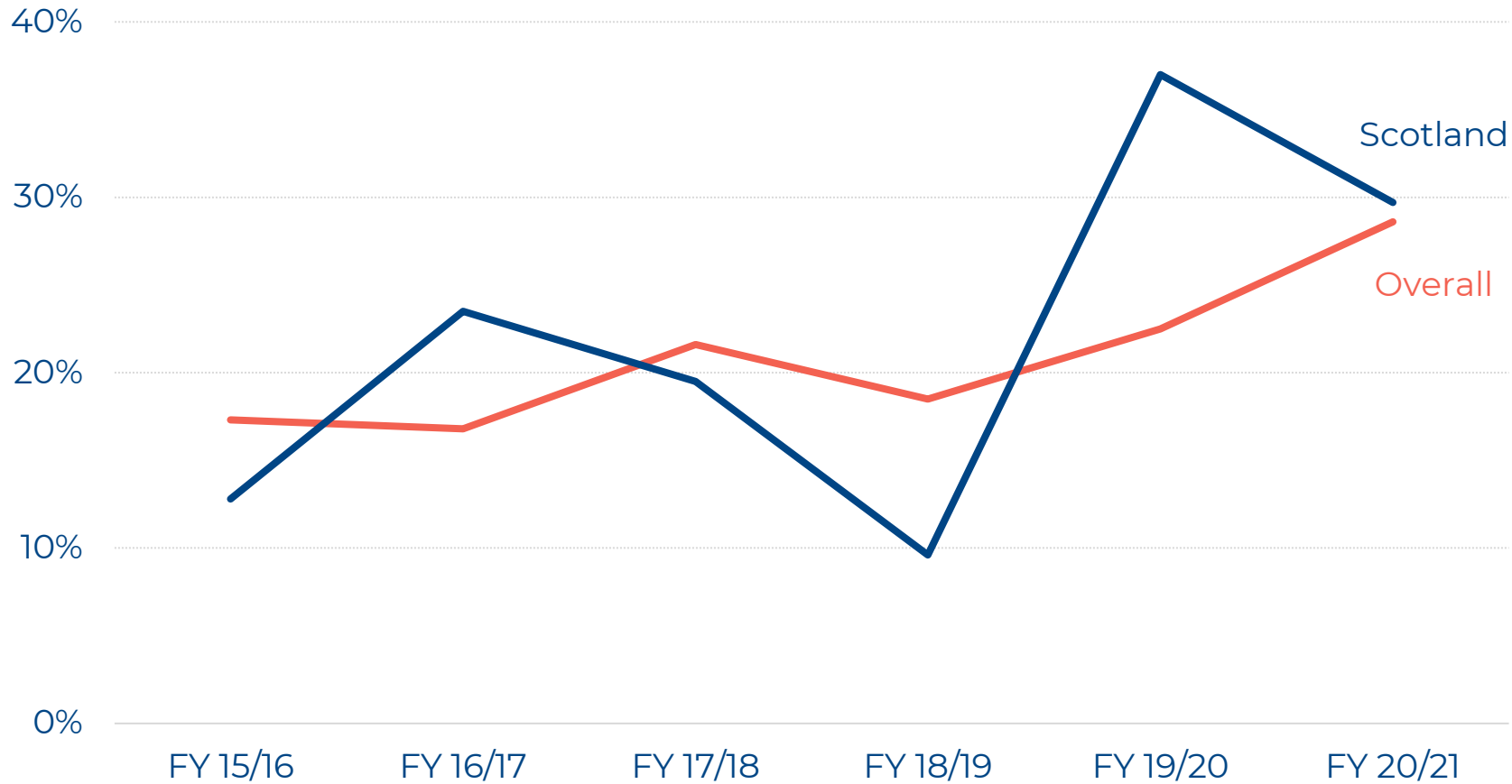


**Commissioned:**  
Calls on a specific topic

**Researcher Led:**  
Own topics and questions within remit of programme

## Success Rate each Financial Year

Latest Update 20/21



## NIHR PROGRAMMES OPEN TO RESEARCHERS IN SCOTLAND

- ▶ Efficacy & Mechanism Evaluation (EME)
- ▶ **Evidence Synthesis**
- ▶ Health & Social Care Delivery Research (HSDR)
- ▶ Health Technology Assessment (HTA)
- ▶ **Invention For Innovation (i4i)**
- ▶ **Programme Development Grants (PDG)**
- ▶ **Programme Grants for Applied Research (PGfAR)**
- ▶ Public Health Research (PHR)
- ▶ **Research Programme for Social Care (RPSC)**

Increased access to NIHR research programmes from Autumn 2023

## WHERE DO I SIGN UP?

**Commissioned:**  
Calls on a specific topic

Funding levels available generally exceed CSO response mode committee threshold.

Find out more on individual funding schemes:

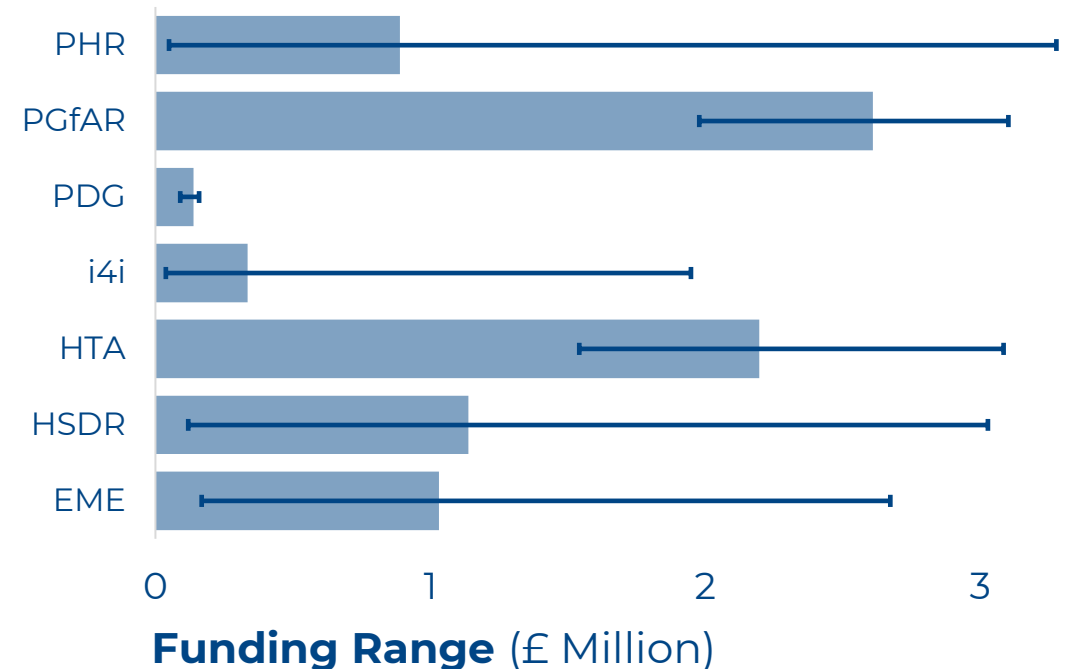
[www.nihr.ac.uk/explore-nihr/funding-programmes/](http://www.nihr.ac.uk/explore-nihr/funding-programmes/)

Or through CSO website

[www.cso.scot.nhs.uk/](http://www.cso.scot.nhs.uk/)

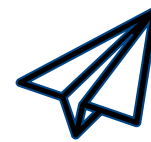
### Researcher Led:

Own topics and questions within remit of programme



**NIHR** | National Institute for Health and Care Research

THANK YOU



[Julie.Simpson@gov.scot](mailto:Julie.Simpson@gov.scot)